

REMARKS

In the Office Action mailed August 9, 2002, the title and the abstract were objected to and the following rejections were asserted:

1. Claims 1, 2, 5, 6, 10, 11, 17, 22, and 23 are rejected under 35 U.S.C. 103 as being unpatentable over Sumita (U.S. Patent No. 6,092,091) in view of Saitoh (U.S. Patent No. 6,178,434).
2. Claims 3, 16, 19, and 21 are rejected under 35 U.S.C. 103 as being unpatentable over Sumita in view of Saitoh and further in view of Omtzigt (U.S. Patent No. 6,023,759).
3. Claims 4, 14, and 20 are rejected under 35 U.S.C. 103 as being unpatentable over Sumita in view of Saitoh and further in view of Fukui (U.S. Patent No. 5,918,222).
4. Claims 7 and 9 are rejected under 35 U.S.C. 103 as being unpatentable over Sumita in view of Yoda (U.S. Patent No. 5,890,173).
5. Claims 8, 12, 13, 15, and 18 are rejected under 35 U.S.C. 103 as being unpatentable over Sumita in view of Yoda and further in view of Saitoh.

The foregoing objections and rejections are respectfully traversed.

In accordance with the foregoing, the title and abstract are amended.

In addition, the following claim amendments are made:

1. claims 14 and 19 are cancelled;
2. method claims are added corresponding to apparatus claims 2-5, 7-9, 12, 13, 15-18, 20, and 21 (but depending from a corresponding method claim);
3. medium claims are added corresponding to apparatus claims 2-5, 7-9, 12, 13, 15-18, 20, and 21 (but depending from a corresponding medium claim);
4. claims 5, 16, 21 (and the corresponding new method and medium claims) are amended to change "appointed event" to --event--; and
5. new dependent claims 54-65 are added depending from independent claims 1, 6, 7, 10, 11, 17, 22, 23, 28, 35, 43, and 50.

The foregoing claim amendments are made for clarification, unrelated to patentability. Care has been exercised to avoid the introduction of new matter.

Claims 1-13, 15-18, and 20-65 are pending and under consideration.

The title and the abstract are amended, taking the Examiner's comments into consideration. Withdrawal of the objections to the title and the abstract is respectfully requested.

Sumita is directed to a device, medium, and method for filtering information, monitoring updated document information.

Saitoh is directed to generating a link between elements in a text image, using an anchor. The data storage unit 108 of the Saitoh apparatus does not appear to store the corresponding link information as in the present invention.

Omtzigt is directed to a system for observing internal processor events utilizing a pipeline data path to pipeline internally generated signals representative of the event.

Fukui is directed to an information disclosing apparatus and multi-modal information input/output system.

Yoda is directed to an information print apparatus and method.

Sumita in view of Saitoh is a device, medium, and method for filtering information, monitoring updated document information, generating a link between elements in a text image, using an anchor.

Sumita in view of Saitoh and further in view of Omtzigt is a device, medium, and method for filtering information, monitoring updated document information, generating a link between elements in a text image, using an anchor, which includes a system for observing internal processor events utilizing a pipeline data path to pipeline internally generated signals representative of the event.

Sumita in view of Saitoh and further in view of Fukui is a device, medium, and method for filtering information, monitoring updated document information, generating a link between elements in a text image, using an anchor, and further including an information disclosing apparatus and multi-modal information input/output system.

Sumita in view of Yoda is a device, medium, and method for filtering information, monitoring updated document information, in an information print apparatus.

Sumita in view of Yoda and further in view of Saitoh is a device, medium, and method for filtering information, monitoring updated document information, in an information print apparatus, and further including generating a link between elements in a text image, using an

anchor.

In contrast to the foregoing references relied upon, the present invention stores location information and link information corresponding to each other. That is, none of the foregoing references relied upon, either alone or in combination, discloses or suggests the correspondence information (location information - link information) of the present invention.

More particularly, each of independent claims 1, 6, 7, 10, 11, 17, 22, 23, 28, 35, 43, and 50 each recites (using the recitation of claim 1 as an example) "informing data corresponding to...link information for the other data...;...information showing a location of the displayed hypertext data including the informing data...;...link information specified by the informing data...;...storing the location information...and the link information...for the correspondence to each other".

Advantageously, the present invention reduces waiting time for connecting to a site on a network storing HTML data, time and effort for communication over a plurality of sites, and communication costs.

Moreover, the dependent claims of the present application recite patentably distinguishing features of their own. For example, claim 2/1 recites "a data storage unit storing the hypertext data and the other data acquired by the data acquiring unit".

Withdrawal of the foregoing rejections and allowance of new claims 24-65 is respectfully requested.

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.


Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: July 8, 2003

By: 
Gene M. Garner II
Registration No. 34,172

700 Eleventh Street, NW, Suite 500
Washington, D.C. 20001
(202) 434-1500

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE TITLE:

Please CANCEL the current title and replace same with the following new title:

--METHOD, MEDIUM, DISPLAY DEVICE, AND HYPERTEXT DISPLAY SYSTEM INCLUDING CORRESPONDENCE INFORMATION BETWEEN LOCATION INFORMATION AND LINK INFORMATION--.

IN THE CLAIMS:

Please CANCEL claims 14 and-19, without prejudice.

Please AMEND claims 1-13, 15-18, and 20-23 and add new claims 24-65 as follows:

1. (ONCE AMENDED) A display device for displaying hypertext data including link information indicating an existence of a link to other data, comprising:

a designating unit [for] designating informing data corresponding to the link information for the other data to be acquired from among informing data showing the presence of link information in the hypertext data displayed on a display;

a first information acquiring unit [for] acquiring information showing a location of the displayed hypertext data including the informing data designated by the designating unit;

a second information acquiring unit [for] acquiring the link information specified by the informing data designated by the designating unit;

a storage unit [for] storing the location information acquired by the first information [acquired] acquiring unit and the link information acquired by the second information acquiring unit for the correspondence to each other; and

a data acquiring unit [for] acquiring the hypertext data from the location according to the location information and the other data indicated by the link information, both the location information and the link information are stored in the storage unit.

2. (ONCE AMENDED) A display device according to claim 1, further comprising:
a data storage unit [for] storing the hypertext data and the other data acquired by the data acquiring unit.

3. (ONCE AMENDED) A display device according to claim 1, further comprising:
an event generating unit [for] generating an event at an appointed time,
wherein the data acquiring unit acquires the hypertext data from the location
according to the location information and the other data indicated by the link information when
the event generating unit generates the event.

4. (ONCE AMENDED) A hypertext display device according to claim 1, further
comprising:
a communication unit to connect with a network; and
an event generating unit [for] generating an event on condition that the communication
unit having connected with the network,
wherein when the event is generated by the event generating unit, the data acquiring
unit acquires the hypertext data from the location according to the location information and the
other data indicated by the link information.

5. (ONCE AMENDED) A display device according to claim 1, further comprising:
an event detecting unit [for] detecting an [appointed] event,
wherein when the event detecting unit detects the event, the data acquiring unit
acquires the hypertext data from the location according to the location information and other
data indicated by the link information.

6. (ONCE AMENDED) A method for displaying hypertext data including link
information indicating an existence of a link to other data, comprising:
[a step of] designating informing data corresponding to the link information for the other
data to be acquired from among informing data which show the presence of link information in
the hypertext data displayed on a display;
[a step of] acquiring information which shows a location of the displayed hypertext data
including the designated informing data;
[a step of] acquiring link information specified by the designated informing data;
[a step of] storing the acquired location information and the acquired link information of
the hypertext data for the correspondence to each other; and
[a step of] acquiring the hypertext data from the location according to the stored location
information and the other data indicated by the stored link information.

7. (ONCE AMENDED) A display system [which consist of] comprising:
at least two information processing devices constituting a display device for displaying
hypertext data including link information indicating an existence of a link to the other data,
a first information processing device comprising:
a designating unit [for] designating informing data to be acquired from among
informing data showing the presence of link information in hypertext data displayed on a
display;
first information acquiring unit [for] acquiring information showing a location of
the displayed hypertext data including the informing data designated by the designating unit;
a second information acquiring unit [for] acquiring the link information specified
by the informing data designated by the designating unit; and
a transmitting unit [for] transmitting the location information acquired by the first
information acquiring unit and the link information of the hypertext data acquired by the second
information acquiring unit to a second information processing device, and
the second information processing device comprising:
a receiving unit [for] receiving the location information and the link information of
the hypertext data which have been transmitted from the first information processing device;
and
a data acquiring unit [for] acquiring the hypertext data from the location
according to the received the location information and the other data indicated by the link
information according to the received link information.

8. (ONCE AMENDED) A display system according to claim 7, wherein the first
information processing device further comprising:
a storage unit [for] storing the location information acquired by the first information
acquiring unit and the link information acquired by the second information acquiring unit for the
correspondence to each other,
wherein the transmitting unit transmits the location information and the link information
of the hypertext data both stored in the storage unit to the second information processing
device.

9. (ONCE AMENDED) A display system according to claim 7, wherein the second

information processing device further comprising:

a storage unit [for] storing the location information and the link information both received by the receiving unit for the correspondence to each other,

wherein the data acquiring unit acquires the hypertext data from the location according to the location information and the other data indicated by the link information.

10. (ONCE AMENDED) A storage medium for a computer on which a program for displaying hypertext data including link information indicating an existence of a link to other data is stored, said program when executed by the computer causes the computer to execute the functions comprising:

[a step of] designating informing data corresponding to the link information for the other data to be acquired from among informing data which shows the presence of link information in the hypertext data displayed on a display;

[a step of] acquiring information which shows a location of the hypertext data displayed including the designated informing data;

[a step of] acquiring link information specified by the designated informing data;

[a step of] storing the acquired location information and the acquired link information of the hypertext data for the correspondence to each other; and

[a step of] acquiring the hypertext data from a location according to the stored location information and the other data indicated by the stored link information.

11. (ONCE AMENDED) A display device for displaying hypertext data including link information indicating an existence of a link to other data, comprising:

a designating unit [for] designating informing data corresponding to the link information for the other data to be acquired from among informing data showing the presence of link information in the hypertext data displayed on a display;

a judging unit [for] judging whether the other data should be acquired based on the link information designated by the designating unit; and

a controlling unit [for] acquiring the other data according to the designated link information when it is judged that the other data should be acquired, and [for] storing the designated link information in designated information storage unit when it is judged that the other data should not be acquired.

12. (ONCE AMENDED) A display device according to claim 11, further comprising:
a specific information storage unit [for] storing specific link information,
wherein the judging unit judges that the other data should be acquired when the
designated link information agree with the specific link information stored in the specific
information storage unit, and judges that the other data should not be acquired when the
designated link information do not agree with the specific link information.

13. (ONCE AMENDED) A display device according to claim 12, further comprising:
a data storing unit [for] storing the other data,
wherein the specific link information stored in the specific information storage unit is link
information indicating an existence of a link to the other data stored in the data storage unit.

14. CANCEL

15. (ONCE AMENDED) A display device according to claim 11, further comprising:
a communication unit to connect with a network;
an event generating unit [for] generating an event on condition that the communication
unit having connected with the network; and
a data acquiring unit [for] acquiring the other data from the location according to the link
information stored in the designated information storage unit when the event generating unit
generates the event.

16. (ONCE AMENDED) A display device according to claim 11, further comprising:
an event detecting unit [for] detecting an [appointed] event; and
a data acquiring unit [for] acquiring the other data from the location according to the link
information stored in the designated information storage unit when the event detecting unit
detects the event.

17. (ONCE AMENDED) A display device for displaying hypertext data including link
information indicating an existence of a link to other data, comprising:
a specific information storage unit [for] storing first specific link information and second
specific link information;
a designating unit [for] designating informing data corresponding to the link information

for the other data to be acquired from among informing data showing the presence of link information in the hypertext data displayed on a display;

a selecting unit [for] selecting either the first specific link information or the second specific information stored in the specific information storage unit;

a judging unit [for] judging whether the link information designated by the designating unit agree with the specific link information selected by the selecting unit; and

a controlling unit [for] acquiring the other data according to the designated link information when it is judged that the designated link information agree with the selected specific link information, and [for] storing the designated link information in a designated information storage unit when it is judged that the designated link information do not agree with the selected specific link information.

18. (ONCE AMENDED) A display device according to claim 17, further comprising:

a data storing unit [for] storing the other data,

wherein the first specific link information is link information indicating an existence of a link to the other data stored in the data storing unit and the second specific link information is link information indicating an existence of a link to the other data present on a network

19. CANCEL

20. (ONCE AMENDED) A display device according to claim 17, further comprising:

a communication unit to connect with a network;

an event generating unit [for] generating an event on condition that the communication unit having connected with the network; and

a data acquiring unit [for] acquiring the other data from the location according to the link information stored in the designated information storage unit when the event generating unit generates the event.

21. (ONCE AMENDED) A display device according to claim 17, further comprising:

an event detecting unit [for] detecting an [appointed] event; and

a data acquiring unit [for] acquiring the other data from the location according to the link information stored in the designated information storage unit when the event detecting unit detects the event.

22. (ONCE AMENDED) A method for displaying hypertext data including link information indicating an existence of a link to appointed information, comprising:

[a step of] designating informing data corresponding to the link information for the other data to be acquired from among informing data showing the presence of link information in the hypertext data displayed on a display;

[a step of] judging whether the other data should be acquired based on the link information designated by the designating [means]; and

[a step of] acquiring the other data according to the designated link information when it is judged that the other data should be acquired, and [of] storing the designated link information in designated information storage [means] when it is judged that the other data should not be acquired.

23. (ONCE AMENDED) A storage medium for a computer on which a program for displaying hypertext data including link information from the hypertext data to other data, said program when executed by the computer causes the computer to execute[;] the functions comprising:

[a step of] designating informing data corresponding to the link information for the other data to be acquired from among informing data showing the presence of link information in the hypertext data displayed on a display;

[a step of] judging whether the other data should be acquired based on the link information designated by the designating [means]; and

[a step of] acquiring the other data according to the designated link information when it is judged that the other data should be acquired, and [of] storing the designated link information in designated information storage [means] when it is judged that the other data should not be acquired.

Please ADD the following new claims 24-65:

24. (NEW) The method according to claim 6, further comprising:
storing the hypertext data and the other data acquired by the acquiring.

25. (NEW) The method according to claim 6, further comprising:

generating an event at an appointed time, wherein the acquiring acquires the hypertext data from the location according to the location information and the other data indicated by the link information when the event is generated.

26. (NEW) The method according to claim 6, further comprising:
connecting with a network; and
generating an event on condition of connecting with the network,
wherein when the event is generated, the acquiring acquires the hypertext data from the location according to the location information and the other data indicated by the link information.

27. (NEW) The method according to claim 6, further comprising:
detecting an event,
wherein when the detecting detects the event, the acquiring acquires the hypertext data from the location according to the location information and other data indicated by the link information.

28. (NEW) A method of displaying hypertext data including link information indicating an existence of a link to the other data, the method comprising:
designating by a first information processing device informing data to be acquired from among informing data showing the presence of link information in hypertext data displayed on a display;
acquiring by the first information processing device information showing a location of the displayed hypertext data including the informing data designated by the designating;
acquiring by the first information processing device the link information specified by the informing data designated by the designating;
transmitting by the first information processing device the location information acquired and the link information of the hypertext data acquired;
receiving by a second information processing device the location information and the link information of the hypertext data which have been transmitted; and
acquiring by the second information processing device the hypertext data from the location according to the received the location information and the other data indicated by

the link information according to the received link information.

29. (NEW) The method according to claim 28, further comprising:
storing by the first information processing device the location information acquired and the link information acquired for the correspondence to each other,
wherein the transmitting transmits the location information and the link information of the hypertext data both stored to the second information processing device.

30. (NEW) The method according to claim 28, further comprising:
storing by the second information processing device the location information and the link information both received for the correspondence to each other,
wherein the acquiring acquires the hypertext data from the location according to the location information and the other data indicated by the link information.

31. (NEW) The method according to claim 22, further comprising:
storing specific link information,
wherein the judging judges that the other data should be acquired when the designated link information agree with the specific link information stored, and judges that the other data should not be acquired when the designated link information do not agree with the specific link information.

32. (NEW) The method according to claim 31, further comprising:
storing the other data,
wherein the specific link information stored is link information indicating an existence of a link to the other data stored.

33. (NEW) The method according to claim 22, further comprising:
connecting with a network;
generating an event on condition of having connected with the network; and
acquiring the other data from the location according to the link information stored when the generating generates the event.

34. (NEW) The method according to claim 22, further comprising:

detecting an event; and
acquiring the other data from the location according to the link information stored when the detecting detects the event.

35. (NEW) A method of displaying hypertext data including link information indicating an existence of a link to other data, comprising:
storing first specific link information and second specific link information;
designating informing data corresponding to the link information for the other data to be acquired from among informing data showing the presence of link information in the hypertext data displayed on a display;
selecting either the first specific link information or the second specific information stored;
judging whether the link information designated agree with the specific link information selected; and
acquiring the other data according to the designated link information when it is judged that the designated link information agree with the selected specific link information, and storing the designated link information when it is judged that the designated link information do not agree with the selected specific link information.

36. (NEW) The method according to claim 35, further comprising:
storing the other data,
wherein the first specific link information is link information indicating an existence of a link to the other data stored and the second specific link information is link information indicating an existence of a link to the other data present on a network

37. (NEW) The method according to claim 35, further comprising:
connecting with a network;
generating an event on condition of having connected with the network; and
acquiring the other data from the location according to the link information stored when the generating generates the event.

38. (NEW) The method according to claim 35, further comprising:
detecting an event; and

acquiring the other data from the location according to the link information stored when the detecting detects the event.

39. (NEW) The medium according to claim 10, further comprising:
storing the hypertext data and the other data acquired by the acquiring.

40. (NEW) The medium according to claim 10, further comprising:
generating an event at an appointed time, wherein the acquiring acquires the hypertext data from the location according to the location information and the other data indicated by the link information when the event is generated.

41. (NEW) The medium according to claim 10, further comprising:
connecting with a network; and
generating an event on condition of connecting with the network,
wherein when the event is generated, the acquiring acquires the hypertext data from the location according to the location information and the other data indicated by the link information.

42. (NEW) The medium according to claim 10, further comprising:
detecting an event,
wherein when the detecting detects the event, the acquiring acquires the hypertext data from the location according to the location information and other data indicated by the link information.

43. (NEW) A computer-readable medium storing a program displaying hypertext data including link information indicating an existence of a link to the other data, the program when executed by a computer causes the computer to execute the functions comprising:
designating by a first information processing device informing data to be acquired from among informing data showing the presence of link information in hypertext data displayed on a display;
acquiring by the first information processing device information showing a location of the displayed hypertext data including the informing data designated by the designating;

acquiring by the first information processing device the link information specified by the informing data designated by the designating;

transmitting by the first information processing device the location information acquired and the link information of the hypertext data acquired;

receiving by a second information processing device the location information and the link information of the hypertext data which have been transmitted; and

acquiring by the second information processing device the hypertext data from the location according to the received the location information and the other data indicated by the link information according to the received link information.

44. (NEW) The medium according to claim 43, further comprising:

storing by the first information processing device the location information acquired and the link information acquired for the correspondence to each other,

wherein the transmitting transmits the location information and the link information of the hypertext data both stored to the second information processing device.

45. (NEW) The medium according to claim 43, further comprising:

storing by the second information processing device the location information and the link information both received for the correspondence to each other,

wherein the acquiring acquires the hypertext data from the location according to the location information and the other data indicated by the link information.

46. (NEW) The medium according to claim 23, further comprising:

storing specific link information,

wherein the judging judges that the other data should be acquired when the designated link information agree with the specific link information stored, and judges that the other data should not be acquired when the designated link information do not agree with the specific link information.

47. (NEW) The medium according to claim 46, further comprising:

storing the other data,

wherein the specific link information stored is link information indicating an existence of a link to the other data stored.

48. (NEW) The medium according to claim 23, further comprising:
connecting with a network;
generating an event on condition of having connected with the network; and
acquiring the other data from the location according to the link information stored when
the generating generates the event.

49. (NEW) The medium according to claim 23, further comprising:
detecting an event; and
acquiring the other data from the location according to the link information stored when
the detecting detects the event.

50. (NEW) A computer-readable medium storing a program displaying hypertext
data including link information indicating an existence of a link to other data, said program when
executed by a computer causes the computer to execute the functions comprising:
storing first specific link information and second specific link information;
designating informing data corresponding to the link information for the other data to be
acquired from among informing data showing the presence of link information in the hypertext
data displayed on a display;
selecting either the first specific link information or the second specific information
stored;
judging whether the link information designated agree with the specific link information
selected; and
acquiring the other data according to the designated link information when it is judged
that the designated link information agree with the selected specific link information, and storing
the designated link information when it is judged that the designated link information do not
agree with the selected specific link information.

51. (NEW) The medium according to claim 50, further comprising:
storing the other data,
wherein the first specific link information is link information indicating an existence of a
link to the other data stored and the second specific link information is link information indicating
an existence of a link to the other data present on a network

52. (NEW) The medium according to claim 50, further comprising:
connecting with a network;
generating an event on condition of having connected with the network; and
acquiring the other data from the location according to the link information stored when
the generating generates the event.

53. (NEW) The medium according to claim 50, further comprising:
detecting an event; and
acquiring the other data from the location according to the link information stored when
the detecting detects the event.

54. (NEW) The display system according to claim 1, wherein the link is a hypertext
link.

55. (NEW) The method according to claim 6, wherein the link is a hypertext link.

56. (NEW) The display system according to claim 7, wherein the link is a hypertext
link.

57. (NEW) The medium according to claim 10, wherein the link is a hypertext link.

58. (NEW) The display device according to claim 11, wherein the link is a hypertext
link.

59. (NEW) The display device according to claim 17, wherein the link is a hypertext
link.

60. (NEW) The method according to claim 22, wherein the link is a hypertext link.

61. (NEW) The medium according to claim 23, wherein the link is a hypertext link.

62. (NEW) The method according to claim 28, wherein the link is a hypertext link.

63. (NEW) The method according to claim 35, wherein the link is a hypertext link.

64. (NEW) The medium according to claim 43, wherein the link is a hypertext link.

65. (NEW) The medium according to claim 50, wherein the link is a hypertext link.

IN THE ABSTRACT:

Please CANCEL the current abstract (on page 57 of the present specification) and replace with the following new abstract:

--An HTML display device reduces waiting time for connecting to a site on a network 15
 storing HTML data, time and effort for communication over a plurality of sites, and 14
 communication costs. A hypertext display device includes a user interface (or designating unit) 13
 designating an object (or informing data) such as link text having an underline which indicates 57 15
 to a user the presence of link information in HTML data. When an object is designated by the 18
 user interface, information which indicates a location of the displayed HTML data including the 14
 object is acquired by a first information acquiring unit and link information designated by the 15
 user interface is acquired by a second information acquiring unit. Both pieces of acquired 108 14
 information are stored as a pair in a table. The displayed HTML data itself and the HTML data 18
 indicated by the link information are sequentially acquired by a data acquiring unit referring to 15
 the table and then stored in a data storage unit.-- 10